What is claimed is:

- 1. A tube unit used for connecting internal equipment and external 1
- equipment, comprising: 2
- an inner tube which lets liquid flow between the internal 3
- equipment and the external equipment; 4
- a cable including an electric wire connected to the internal 5
- equipment; and 6
- an outer tube which accommodates the inner tube and the 7
- 8 cable.
- 2. A tube unit according to Claim 1, 1
- wherein the internal equipment is one of (a) a part of one of 2
- artificial internal organs and a ventricular assist device that is
- implanted in a living body and (b) equipment that is implanted in a 4
- living body by medical treatment. 5
- 3. A tube unit according to Claim 1, 1
- wherein the external equipment is equipment, out of 2
- equipment that is used as one of artificial internal organs, a 3
- ventricular assist device, and equipment used in medical treatment, 4
- that is placed outside of a living body. 5
- 4. A tube unit according to Claim 1, 1
- wherein the cable is one of a power cable for driving the 2
- internal equipment and a cable for transmitting a signal for controlling . 3
- the internal equipment and/or a signal detected by the internal 4
- equipment. 5
- 5. A tube unit according to Claim 1,

2	wherein the inner tube is one of a	
3	to an affected part and a tube for supp	lying the internal equipment

- with a lubricant and/or a coolant, which is/are required for proper 4
- operation of the internal equipment.
- 6. A tube unit according to Claim 1, 1
- wherein a channel through which a liquid can flow is formed by 2
- the inner tube. 3
- 7. A tube unit according to Claim 1, 1
- wherein a wire for preventing elongation of the inner tube and 2
- the cable is accommodated in the outer tube. 3
- 8. A tube unit according to Claim 1, 1
- further comprising caps that are respectively attached to an 2
- outside of an engaging part where one end of the outer tube engages 3
- a socket for the internal equipment and to an outside of an engaging 4
- part where another end of the outer tube engages a socket for the 5
- external equipment. б
- 9. A tube unit according to Claim 1, 1
- further comprising protective tubes that engage the caps, are 2
- formed of an elastic material, and are attached to an outside of the 3
- outer tube. 4

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- 10. An artificial internal organ system, including a tube unit according 1
- to any of Claims 1 to 9.
- 11. A tube unit used for connecting a blood pump and a controller for

- 2 controlling the blood pump, comprising:
- 3 an inner tube for circulating a liquid between the blood pump
- 4 and the controller;
- 5 a cable including an electric wire connected to the blood pump;
- 6 and
- 7 an outer tube which accommodates the inner tube and the
- 8 cable.
- 1 12. A tube unit according to Claim 11,
- 2 wherein the tube unit comprises two inner tubes.
- 1 13. A tube unit according to Claim 11,
- wherein the liquid circulated by the inner tube is one of water,
- 3 a disinfectant, and a physiological saline solution.
- 1 14. A tube unit according to Claim 11,
- 2 wherein the inner tube is made of one of polycarbonate
- 3 urethane, silicone, and polytetrafluoroethylene.
- 1 15. A tube unit according to Claim 11,
- wherein the inner tube is one of a double-layer tube that has
- 3 polyvinylidene fluoride on an inside and thermoplastic polyurethane
- 4 on an outside and a double-layer tube that has polyvinylidene fluoride
- 5 on an inside and polycarbonate urethane on an outside.
- 1 16. A tube unit according to Claim 11,
- wherein the electric wire is one of a electric wire for driving the
- 3 blood pump and a electric wire for transmitting a signal for controlling
- 4 the blood pump and/or a signal detected at a position of the blood

- 5 pump.
- 1 17. A tube unit according to Claim 11,
- wherein the outer tube is made of a biocompatible material.

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- 1 18. A tube unit according to Claim 11,
- wherein a surface of the outer tube is subjected to a flocking
- 3 process.
- 1 19. A tube unit according to Claim 11,
- wherein an inside of the outer tube is filled with silicone gel.
- 1 20. A blood pump system, comprising:
- 2 a blood pump;
- a controller for controlling the blood pump; and
- a tube unit according to any of Claims 11 to 19.

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